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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

### Complete If Known

Application Number	10/764,041
Filing Date	January 23, 2004
First Named Inventor	Gregory T.A. Kovacs
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	0612,404-435

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number	Kind Code <sup>2</sup> (if known)		
GB	US-4,280,815		Oberhardt et al	07/28/1981
	US-5,039,490		Marsoner et al	08/13/1991
	US-5,093,268		Leventis et al	03/03/1992
	US-5,341,215		Seher	08/23/1994
	US-5,500,188		Hafeman et al	03/19/1996
	US-6,066,448		Wohlstadter et al	05/23/2000
GB	US-6,682,936	B2	Kovacs	01/27/2004

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sub>6</sub>
	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
GB	EP	0594170	B1	Fujii et al	01/21/1998	

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GB	EGGERS, et al, "A Microchip For Quantitative Detection Of Molecules Utilizing Luminescent & Radiolabeled Reporter Groups", BioTechniques, September 1994, 17, 516-520, 522,524-525.	

Examiner Signature	<i>Robert Rodriguez</i>	Date Considered	6/25/05
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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Application Number	Not Yet Available				
Filing Date	January 23, 2004				
First Named Inventor	KOVACS, Gregory T.A.				
Group Art Unit	Not Yet Available				
Examiner Name	Not Yet Available				
Attorney Docket Number	0612404-435				
Sheet	1	of	3		

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	Number	Kind Code <sup>2</sup> (if known)		
<i>ib</i>	US-3430072		Stevens	02/25/69
	US-3957592		Young	05/18/76
	US-4772851		Schattschneider	09/20/88
	US-4787963		MacConnell	11/29/88
	US-4924224		Takahashi et al	05/08/90
	US-5178161		Kovacs	11/12/93
	US-5314495		Kovacs	05/24/94
	US-5378343		Kounaves et al	01/03/95
	US-5434049		Okano et al	07/18/95
	US-5445934		Fodor et al	08/29/95
	US-5527670		Stanley	06/18/96
	US-5605662		Heller et al	02/25/97
	US-5632876		Zanzucchi et al	05/27/97
	US-5632957		Heller et al	05/27/97
	US-5653939		Hollis et al	08/05/97
	US-5849486		Heller et al	12/15/98
	US-5891630		Eggers et al	04/06/99
	US-5965452		Kovacs	10/12/99
	US-6017696		Heller et al	01/25/00
	US-6048690		Heller et al	04/11/00
	US-6051380		Sosnowski et al	04/18/00
	US-6054270		Southern	04/25/00
<i>as</i>	US-6258606		Kovacs	07/10/01

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<i>ib</i>	EP	0376611	A2	Kovacs et al	07/04/90	

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<i>as</i>	CONNOLLY, et al., "Microelectronic & Nanoelectronic Interfacing Techniques For Biological Systems", Sensors & Actuators B, 6, 1992, 113-121.	
	DEES, et al., "Experimental Observations Of Free-Convection Mass Transfer To A Horizontal Surface With A Micromosaic Electrode", J. Electrochem. Soc., 134, 2, February 1987, 369-377.	
	FICCABRINO, et al., "Array Of Individually Addressable Microelectrodes", Sensors & Actuators B, 18-19, 1994, 675-677.	
	FIELDEN, et al., "Vollammetric Information From Arrays Of Individually Controlled Electrodes: Their Potential For Industrial Process Measurements", Analytica Chimica Acta, 273, 1993, 111-121.	
	FUHR, et al., "Travelling Wave-Driven Microfabricated Electrohydrodynamic Pumps For Liquids", J. Micromech. Microeng., 4, 1994, 217-226.	
<i>as</i>	GRAY, et al., "MOS Operational Amplifier Design - A Tutorial Overview", IEEE Journal Of Solid-State Circuits, SC-17, 6, December 1982, 969-982.	

IRI:1051692.1

*Allen Soderquist 6/25/05*

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	Not Yet Available
				Filing Date	January 23, 2004
				First Named Inventor	KOVACS, Gregory T.A.
				Group Art Unit	Not Yet Available
				Examiner Name	Not Yet Available
Sheet	2	of	3	Attorney Docket Number	0612404-435

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<i>CS</i>	GU, et al., "Microcomputer Controlled FFT Electrochemical Impedance Measurement System", Wuhan Daxue Xuebao, Ziran Kexueban, 1987, 65-71.	
	HARRINGTON, et al., "Multiple Electrode Potentiostat", Rev. Sci. Instrum., 60, 10, October 1989, 3323-3328.	
	HERMANSON, et al., "Immobilized Affinity Ligand Techniques" Academic Press, Inc., 1992, 410-417.	
	HERMES, et al., "An Amperometric Microsensor Array With 1024 Individually Addressable Elements For Two-Dimensional Concentration Mapping", Sensors & Actuators, B, 21, 1994, 33-37.	
	HOOGVLIET, et al., "Multichannel Amperometric Detection System For Liquid Chromatography & Flow Injection Analysis", Anal. Chem., 63, 1991, 2418-2423.	
	KAKEROW, et al., "A Monolithic Sensor Array Of Individually Addressable Microelectrodes", Sensors & Actuators A, 43, 1994, 296-301.	
	LIVACHE, et al., "Preparation Of A DNA Matrix Via An Electrochemically Directed Copolymerization Of Pyrrole & Oligonucleotides Bearing A Pyrrole Group", Nucleic Acids Research, 22, 15, 1994, 2915-2921.	
	MATSUE, et al., "Multichannel Electrochemical Detection System For Flow Analysis", Anal. Chem., 62, 1990, 407-409.	
	MEUNIER, et al., "High-Accuracy Oxygen Polarograph For Photosynthetic Systems", Rev. Sci. Instrum., 59, 3, March 1988, 486-491.	
	MEYER, et al., "Two-Dimensional Imaging Of O <sub>2</sub> H <sub>2</sub> O <sub>2</sub> , & Glucose Distributions By An Array Of 400 Individually Addressable Microelectrodes", Anal. Chem., 67, 1995, 1164-1170.	
	PENTARI, et al., "Construction & Applications Of A Microcomputer Controlled Pulsed Amperometric Detector System", Anal. Instrum., 15, 4, 1986, 329-345.	
	REAY, et al., "Microfabricated Electrochemical Analysis System For Heavy Detection", Sensors & Actuators B, 34, 1996, 450-455.	
	TALLMAN, et al., "A Wide Bandwidth Computer Based Potentiostat For Fast Voltammetry At Microelectrodes", J. Electroanal. Chem., 280, 1990, 327-340.	
	TAYLOR, <u>Immobilized Antibody- and Receptor-Based Biosensors</u> , 1991, 262-303.	
	WHITEHURST, et al., "Actively-Scanned Microelectrode Arrays", 22 <sup>nd</sup> Annual Meeting Of the Society For Neuroscience, 18, 1992, Abstract 22.24.	
<i>CS</i>	ZIPPER, et al., "Computer-Controlled Monitoring & Data Reduction For Multiple Ion-Selective Electrodes In A Flowing System", Anal. Chem., 46, 1974, 2111-2118.	

Examiner Signature	<i>Allen Soderquist</i>	Date Considered	6/25/05
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<div style="float: left; width: 30%;">Substitute for form 1449A/PTO</div> <div style="float: right; width: 65%; text-align: center;"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i></div> <div style="clear: both;"></div>				<b>Complete if Known</b>	
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Sheet	3	of	3		
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